

WHAT IS CLAIMED IS:

1. A decoding apparatus comprising:

inputting means for inputting a plurality kinds of  
encoded streams;

5       determining means for determining priority among  
the plurality kinds of encoded streams inputted by said  
inputting means; and

10       decoding means for decoding said plurality kinds  
of encoded streams by decoding processing that is  
weighted according to the priority determined by said  
determining means.

15       2. An apparatus according to claim 1, wherein  
said encoded stream includes encoded image data and  
wherein said determining means determines priority  
according to a display size for displaying the image  
data.

20       3. An apparatus according to claim 1, wherein  
said determining means determines priority according to  
an instruction of a user.

25       4. An apparatus according to claim 1, wherein  
said encoded stream includes data that is image data to  
which orthogonal transform processing, quantization  
processing and encoding are applied.

5. An apparatus according to claim 4, wherein  
said decoding means is provided with a plurality kinds  
of decoding processing, and the plurality kinds of  
decoding processing include processing for applying  
5 inverse orthogonal transformation only to at least a  
part of orthogonal transform coefficients and inserting  
zero in the remaining orthogonal transform coefficients  
to decode them.

10 6. An apparatus according to claim 4, wherein  
said encoded stream includes image data that is encoded  
by the MPEG-2 coding method.

15 7. An apparatus according to claim 4, wherein  
said encoded stream includes image data that is encoded  
by the MPEG-1 coding method.

20 8. An apparatus according to claim 4, wherein  
said encoded stream includes image data that is encoded  
by the Motion JPEG coding method.

9. An apparatus according to claim 4, further  
comprising displaying means for displaying image data  
of a plurality kinds of encoded streams that are  
25 decoded by said decoding means.

10. An apparatus according to claim 1, wherein

said decoding means includes first decoding processing  
for decoding all data at least in an encoded stream and  
second decoding processing for decoding only a part of  
data in an encoded stream and selects the decoding  
5 processing according to the priority determined by said  
determining means.

11. A decoding method comprising the steps of:  
inputting a plurality kinds of encoded streams;  
10 determining priority among said inputted plurality  
kinds of encoded streams; and  
decoding said plurality kinds of encoded streams  
by decoding processing that is weighted according to  
the determined priority.

15  
12. A decoding processing program including  
program codes recorded in a computer-readable medium,  
said program codes comprising:

20 a code of a step of inputting a plurality kinds of  
encoded streams;

a code of a step of determining priority among  
said inputted plurality kinds of encoded streams; and

a code of a step of decoding said plurality kinds  
of encoded stream by decoding processing that is  
25 weighted according to the determined priority.

13. A computer-readable recording medium in which

a decoding processing program is recorded, said  
decoding processing program comprising:

a code of a step of inputting a plurality kinds of  
encoded streams;

5 a code of a step of determining priority among  
said inputted plurality kinds of encoded streams; and

a code of a step of decoding said plurality kinds  
of encoded streams by decoding processing that is  
weighted according to the determined priority.

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